

Amendments to the Specification:

I. Trademark

Please replace paragraph 44 with the following amended paragraph:

[0044] The terms "fluorophore," "fluorescent label" and "reporter" are used interchangeably herein and refer to a reporter moiety in fluorescence resonance energy transfer (FRET) detection method which is used in DNA or RNA probes. Preferably, the fluorophore has a fluorescent emission maximum from about 400 to about 1000 nm, more preferably from about 400 to about 900 nm, and still more preferably from about 400 to about 800 nm. These compounds include, with their emission maxima in nm in brackets, ~~Cy2~~TM CY2TM (506), ~~YO-PRO~~TM PROTM-1 (509), ~~YOYO~~TM YOYOTM-1 (509), Calcein (517), FITC (518), ~~FluorX~~TM FLUORXTM (519), ~~Alexa~~TM ALEXATM (520), Rhodamine 110 (520), 5-carboxyfluorescein (522), ~~Oregon Green~~TM OREGON GREENTM 500 (522), ~~Oregon Green~~TM OREGON GREENTM 488 (524), ~~RiboGreen~~TM RIBOGREENTM (525), ~~Rhodamine Green~~TM RHODAMINE GREENTM (527), Rhodamine 123 (529), ~~Magnesium Green~~TM MAGNESIUM GREENTM (531), ~~Calcium Green~~TM CALCIUM GREENTM (533), ~~TO-PRO~~TM PROTM-1 (533), TOTOTM-1 (533), JOE (548), BODIPY 530/550 (550), Dil (565), BODIPY[®] TMR (568), BODIPY 558/568 (568), BODIPY 564/570 (570), ~~Cy3~~TM CY3TM (570), ~~Alexa~~TM ALEXATM 546 (570), TRITC (572), ~~Magnesium Orange~~TM MAGNESIUM ORANGETM (575), Phycoerythrin R&B (575), Rhodamine Phalloidin (575), ~~Calcium Orange~~TM CALCIUM ORANGETM (576), Pyronin Y (580), Rhodamine B (580), tetramethylrhodamine (582), Rhodamine ~~Red~~TM REDTM (590), ~~Cy3.5~~TM CY3.5TM (596), ROX (608), Calcium ~~Crimson~~TM CRIMSONTM (615), ~~Alexa~~TM ALEXATM 594 (615), ~~Texas Red~~ TEXAS RED (615), ~~Nile Red~~ NILE RED (628), ~~YO-PRO~~TM-3 (631), ~~YOYO~~TM YOYOTM-3 (631), R-phycocyanin (642), C-Phycocyanin (648), ~~TO-PRO~~TM PROTM-3 (660), TOTO (D-3 (660), DiD DilC (5) (665), ~~Cy5~~TM CY5TM (670), Thiadicarbocyanine (671), Cy5.5 (694).

II. Sequence compliance

Please replace paragraph [0191] beginning at page 75, line 10, with the following:

--[0191] Oligonucleotide conjugates 5'-CCAAAATTAC-X¹¹-3' (SEQ ID NO:1), where X¹¹ is a minor groove binder of Figure 1, were hybridized to different complementary targets that contain A/C mismatch at positions 5, 6, 7 and 8, relative to the attached minor groove binder.--

Please replace paragraph [0196] beginning at page 75, line 10, with the following:

--[0196] Thermodynamic properties of 3'-conjugated, where X'' represents the attached minor groove binder which is either CDPI₃ (C), CDPI₃ (N) and CDPI₄-(SO₃⁻)₂. The parameters were determined at PCR buffer, where the oligonucleotide concentration was 5x10⁻⁷M. The sequences below were hybridized to matched complement of ODN #1. The relative free energy difference ($\Delta\Delta G^\circ$) between match and mismatch at positions 5, 6, 7 and 8 were calculated at 50 °C and plotted in Figure 2. The bold C base in the sequences indicates the position of the C/A mismatch.

ODN ~~SEQUENCE~~ SEQUENCES (SEQ ID NOS:2-6)

#1	GGTTT T AATG-X''
#0	GGTTTCAATG-X''
#2	GGTTCTAATG-X''
#3	GGTCTTAATG-X''
#4	GGCTTTAATG-X''

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PATENT

Please insert the accompanying paper copy of the Sequence Listing, page numbers 1 to 3, at the end of the application.